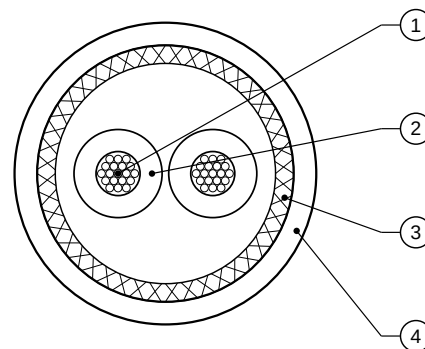


Shielded Multicore Silicone Cable

CONSTRUCTION & TECHNICAL DATA

Conductor	Class 5 fine-stranded tinned copper
Core insulation	Silicone rubber
Core assembly / covering	Cores twisted together
Screening	Tinned-copper braid with interleaved plastic-foil wrapping
Outer sheath	Silicone rubber
Sheath colour	Black
Rated voltage U0/U	300/500 V
Test voltage	2,000 V
Temperature range	-60°C to +180°C; adequate ventilation required
Fixed bend radius	6 × outside diameter
Occasional-flex bend radius	20 × outside diameter
Ventilation	Ensure adequate ventilation above +100°C.
Dimensional basis	Outside diameters are nominal. Listed weights are reference values. Tolerances require confirmation.
Protective conductor	G: green/yellow protective core included. X: no green/yellow core.

CONSTRUCTION SECTION



1. Class 5 stranded tinned-copper conductors
2. Silicone-based core insulation
3. Tinned-copper screen braid with interleaved plastic-foil wrapping
4. Silicone-based outer sheath

Representative section, not to scale. Strand count and packing, core positions and layer proportions are schematic.

SIZE SPECIFICATIONS

Cores	Size / core	Nominal OD (mm)	Reference weight (kg/km)	Construction / variant
3	0.5 mm ²	8.6	100	3G0.5; green/yellow protective core
4	0.5 mm ²	9.3	122	4G0.5; green/yellow protective core
5	0.5 mm ²	10	137	5G0.5; green/yellow protective core
2	1.0 mm ²	9	104	2X1.0; no green/yellow core
3	1.0 mm ²	9.5	131	3G1.0; green/yellow protective core
4	1.0 mm ²	10.2	152	4G1.0; green/yellow protective core
5	1.0 mm ²	11	181	5G1.0; green/yellow protective core
7	1.0 mm ²	11.9	228	7G1.0; green/yellow protective core
2	1.5 mm ²	9.6	126	2X1.5; no green/yellow core
3	1.5 mm ²	10.1	152	3G1.5; green/yellow protective core
4	1.5 mm ²	10.9	186	4G1.5; green/yellow protective core
5	1.5 mm ²	11.8	222	5G1.5; green/yellow protective core
7	1.5 mm ²	12.8	281	7G1.5; green/yellow protective core

Cores	Size / core	Nominal OD (mm)	Reference weight (kg/km)	Construction / variant
12	1.5 mm ²	16.9	431	12G1.5; green/yellow protective core
18	1.5 mm ²	19.6	600	18G1.5; green/yellow protective core
25	1.5 mm ²	23.9	833	25G1.5; green/yellow protective core
3	2.5 mm ²	11	197	3G2.5; green/yellow protective core
4	2.5 mm ²	11.9	244	4G2.5; green/yellow protective core
5	2.5 mm ²	12.9	291	5G2.5; green/yellow protective core
3	4.0 mm ²	12.3	261	3G4.0; green/yellow protective core
4	4.0 mm ²	13.4	325	4G4.0; green/yellow protective core
5	4.0 mm ²	14.9	389	5G4.0; green/yellow protective core
4	6.0 mm ²	17.2	482	4G6.0; green/yellow protective core
5	6.0 mm ²	18.7	580	5G6.0; green/yellow protective core
4	10.0 mm ²	22.8	802	4G10.0; green/yellow protective core

Dimensions and weights are reference values. Final construction, tolerances, ratings, colours and supply requirements are subject to the agreed order specification.

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